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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/059,293	01/31/2002	Chih-Wen Huang	SUND 276	7152

7590 09/09/2005

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EXAMINER

WORKU, NEGUSSIE

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/059,293

Applicant(s)

HUANG ET AL.

Examiner

Negussie Worku

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 January 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Neukermans et al. (USPAP 2002/0011558).

With respect to claim 1, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP), (a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18) comprising: an operation panel (display on the PDA 252 of fig 2) for a user to input a data and a scanning order, (col.5, paragraph 0061, lines 20-25); a control processing unit (PDA 252 of fig 2) electrically connected to the operation panel for proceeding logic operation and data processing, (col.5, paragraph 0057, lines 13-17) and receiving the scanning order, (col.5, paragraph 0057, lines 13-17); and a scanning apparatus (100 of fig 5 and 5A) electrically connected to the control processing unit (PDA of fig 5, (col.5, paragraph 0057, lines 13-17) for scanning a to-be-scanned document, (col.5, paragraph

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0057, lines 13-17), and the control processing unit (PDA of fig 5 and 5A) controls the scanning operation of the scanning apparatus (100 of fig 5) after receiving the scanning order, and the scanning apparatus (fig 5) comprises: a scanning channel (input slit 214 of fig 5, at the front of the housing) for the to-be-scanned document (134 of fig 4); a light source (104 of fig 1) equipped in a side of the scanning channel to provide the light for scanning; and a photo-electronic imaging device (108 of fig 1) equipped in the side of the scanning channel (input slit 214 of fig 5, at the front of the housing) to capture image of the to-be-scanned document (132 of fig 1).

With respect to claim 2, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18) is a Personal Digital Assistant (PDA), (PDA of fig 5, col.5, paragraph 0057, lines 13-17).

With respect to claim 3, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the PDA (252 of fig 2) further has a display for showing the data and the scanning condition, (display on the PDA 252 of fig 2, shows the activity of the scanner 100 of fig 5).

With respect to claim 4, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the display is a touch screen integrated with a Liquid Crystal Display (LCD), (a display device on the PDA 252 of fig 2, could be a touch screen).

With respect to claim 5, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the PDA (252 of fig 5) further has a stylus, (PDA 252 of fig 5, inherently provides by cursive writing with a stylus on the PDA) which is removable equipped on the PDA, for touching the display to input the data and give the scanning order, and also the users can edit the image on the PDA after scanning, (col.1, paragraph 0006, lines 4-7).

With respect to claim 6, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the PDA (PDA 252 of fig 2) further includes a control button (a button on display PDA 252 fig 5, used to input data) for the user to input the data and give the scanning order.

With respect to claim 7, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), is a calculator (any handheld scanner including PDA 252 of fig 2, inherently provides a calculator).

With respect to claim 8, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the calculator further has a display for showing the data and the scanning condition (any handheld scanner including PDA 252 of fig 2, inherently provides a calculator and the result of the calculation displayed on the display of PDA 252 of fig 5).

With respect to claim 9, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the display is a Liquid Crystal Display (LCD) (display on PDA 252 of fig 5).

With respect to claim 10, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the calculator further includes a key part for the user to input the data and give the scanning order, (since PDA 252 of fig 2, inherently provides a calculator, it also provides a key pad shown in fig 5 for inputting a data).

With respect to claim 11, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the light source is a Light Emitting Diode (LED), (light source 104 of fig 1, is a LED, see col.4, paragraph 0046, lines 12-14).

With respect to claim 12, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the photoelectronic imaging device is a Charged Coupled device (CCD), see (col.1, paragraph 0007, lines 1-8).

With respect to claim 13, Neukermans et al. discloses a handheld Multi-Function

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Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the photoelectronic imaging device is a Contact Image Device (CIS), (Charged Coupled device (CIS can be also used), see (col.1, paragraph 0007, lines 1-8).

With respect to claim 14, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the scanning apparatus (100 of fig 1) further has a transmission mechanism (a document feed roller and motor 202 of fig 1, see col.4, paragraph 0046, lines 1-8) for transmitting the to-be-scanned document in the scanning channel (slit 214 of fig 2).

With respect to claim 15, Neukermans et al. discloses a handheld Multi-Function Peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the transmission mechanism includes a plurality of the rollers, see (col.4, paragraph 0046, lines 1-8).


With respect to claim 16, Neukermans et al. discloses a handheld Multi-Function peripheral (MFP, a scanner 100 of fig 5, col.5, paragraph 0057, lines 1-18), wherein the to-be-scanned document is a business card (254 of fig 5, col.5, paragraph 0057, lines 3-8).

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Negussie Worku whose telephone number is 571-272-7472. The examiner can normally be reached on 9am-6pm.

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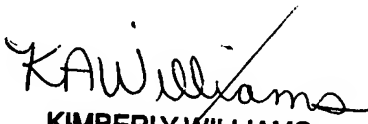
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Kimberly Williams** can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**Negussie Worku**

Patent Examiner  
Art unit 2626  
August 24, 2005



**KIMBERLY WILLIAMS**  
**SUPERVISORY PATENT EXAMINER**